

Figure 1

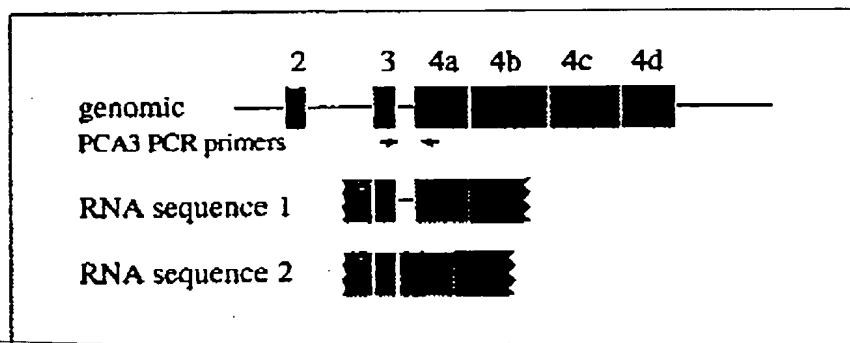


Figure 2: Agarose gel-separated PCA3 RT-PCR products amplified from tissue biopsies of 6 prostate cancers (upper row) and 4 benign prostate hyperplasias (BPH, lower row). Positive control: LNCaP cells; negative control : water. Size marker: 100 bp ladder.

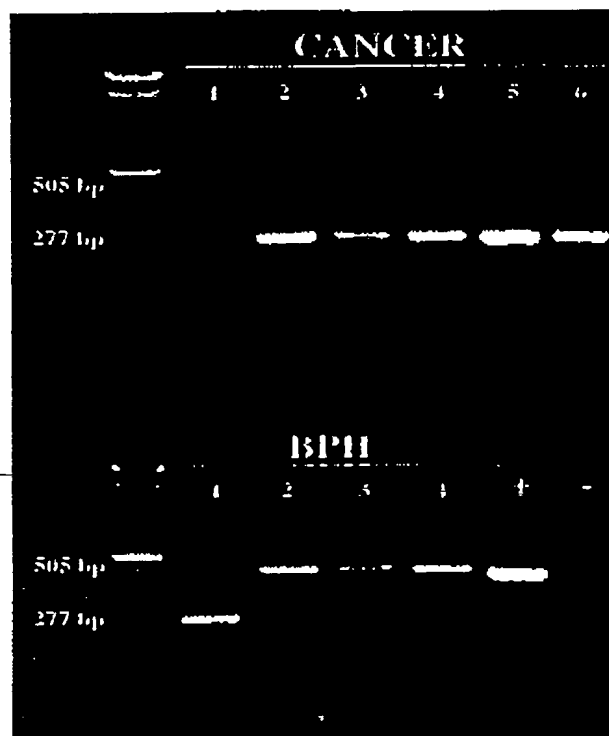


Figure 3 : Sequences of RT-PCR amplified PCA3 using PCR primers located in exon 3 and exon 4a. Primer sequences are shown in bold letters. Capital letters represent nucleic acids common to both sequences.

SEQ ID NO:1:

5'- **CAGGAAGCAC AAAAGGAAGC ACAGAG**gtaagtgccttata
aagcactcaattctactca gaaatttttg atggccttaa gttcctctac tcgtttctat ccttcctact
cactgtcctc ccggaatcca ctaccgatt tctattctt gcctcgtatt gtdgactgg ctcaacttga
ttatcctca cggagctgg atttctacc cgggctcacc tcgtccctc catattgic ctccacttc
acagATCCCT GGGAGAAATG CCCGGCCGCC ATCTTGGGTC
ATCGATGAGC CTCGCCCTGT GCCTGGTCCC GCTTGTGAGG
GAAGGACATT AGAAAATGAA TTGATGTGTT CCTTAAAGGA
TGGGCAGGAA AACAGATCCT GTTGTGGATA TTTATTTGAA
CGGGATTACA GATTTGAAAT GAAGTCACCA AAGTGAGCAT
TACCAATGAG AGGAAAACAG ACGAGAAAAT CTTGATGGCT
TCACAAGACA TGCAAC-3'

SEQ ID NO:2:

5'- **CAGGAAGCA CAAAAGGAAG CACAGAGATC CCTGGGAGAA**
ATGCCCGGCC GGCATCTTGG GTCATCGATG AGCCTCGCCC
TGTGCCTGGT CCCGCTTGTG AGGGAAGGAC ATTAGAAAAT
GAATTGATGT GTTCCTTAAA GGATGGGCAG GAAAACAGAT
CCTGTTGTGG ATATTTATTT GAACGGGATT ACAGATTGA
AATGAAGTCA CCAAAGTGAG CATTACCAAT GAGAGGAAAA
CAGACGAGAA AATCTTGATG GCTTCACAAG ACATGCAAC - 3'

Figure 4 : Putative PCA3 peptide encoded by Sequence 1 : MFLHISPPFKYPHTQEAQKEAQR*
(this sequence corresponds to amino acids 1-23 of the original PCA3 polypeptide)

Figure 5: Examples of antigenic epitope-bearing PCA3 peptides comprising 8 amino acids (calculated according to H.G. Rammensee at <http://134.2.96.221/scripts/hlaserver.dll/EpPredict.htm>):

C-terminal/mouse :	AA 39-46	LALCLVPL
	AA 26-33	GEMPGRHL
C-terminal/human :	AA 33-40	LGSSMSLA
	AA 44-51	VPLVREGH
N-terminal/mouse :	AA 7-14	SPFKYPHT
	AA 15-22	QEAQKEAQ
N-terminal/human :	AA 14-21	TQEAQKEA
	AA 2-9	FLHISPPF

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